



Western Rails Company

Western-rails.com

Grab Iron Jig

We have designed this jig to be a universal jig for railcar stirrups, hand rails, and grab irons, both straight, and drop style. Dimensions are labeled on the sides; the dimensions are in 4" increments, with a 2" step on one end. Throughout this document, all dimensions referenced are scale dimensions.

We will walk through how to bend a stirrup step, I begin by using a pair of pliers to bend a 90 degree angle in the end of the wire about 4" from the end. I then insert this end into the jig at the 12" line as shown in figure 1 then bend the wire to the right across the bottom of the jig as shown in figure 2.

Remove the wire from the jig and use pliers to complete the bend. Next insert the wire into the jig where the 12" line and 12" column meet and bend across the bottom as shown in figure 3. Lastly, hook the stirrup in the bottom of the 12" column, bend down, then back as shown in figure 4 and snip the excess wire on this leg to match the length of the original stub. These two stubs will be inserted into the mounting holes of the models, so if needed trim them to fit the mounting holes of their intended model.

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Parts List

- WRC Grab Iron Jig
- .012" or .0125" wire

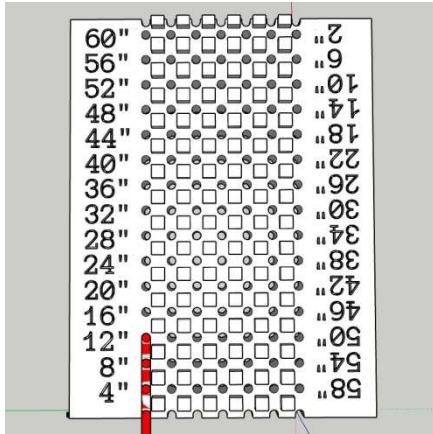


Figure 1

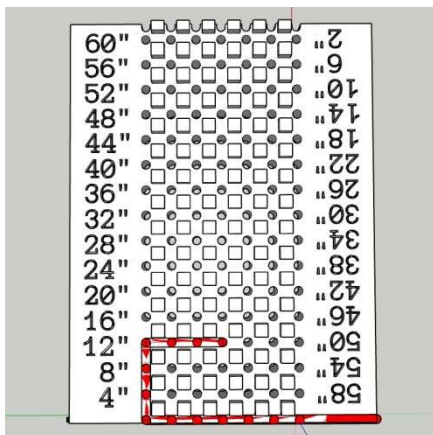


Figure 3

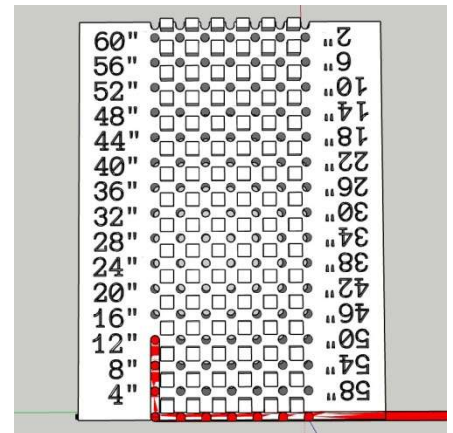


Figure 2

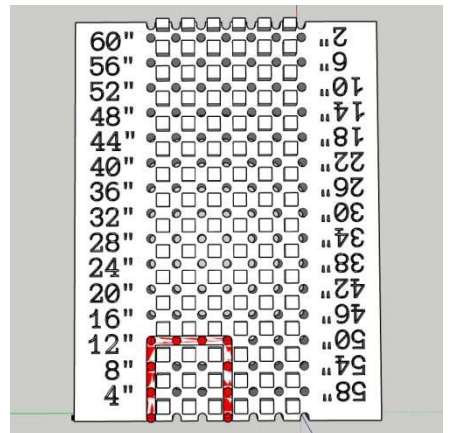


Figure 4

As the capabilities of this jig are fairly limitless, if additional examples are needed, let me know, and I will update this document to include them.

Thank you for your purchase!

Enjoy your 3d printed model from Western Rails Company.